ABSTRACT:

A method of reducing noise in images formed by uniform regions and textures delimited by edges, comprises a step of filtering these images, a step of detecting edges and textures in these images, a sub-step of re-assigning or not re-assigning each image pixel to an edge or a texture in accordance with the result of a connectivity test, this sub-step taking place at the end of the step of detecting edges and textures, and a selection step of eliminating or, in contrast, applying this filtering to each image pixel according to whether this image pixel is associated or not associated with an edge or a texture.

Such a method allows a noise reduction in an image or an unprocessed sequence of images while conserving the edges and the textures. The method concerned may be applied, for example, as a first link in a video encoding sequence such as an MPEG2 compression sequence.

Fig. 1